

Application Serial No. 10/738,930
Date October 31, 2005
Reply to Office Action dated June 29, 2005

Page 2 of 10

Listing of the Claims:

1. (Withdrawn.) A method of forming a door shield mountable on an inner surface of a vehicle door comprising the steps of:
forming a first layer of a hydrophobic, air restrictive but breathable face scrim;
forming a second layer of one of a lofted fiber pad and an open-cell polymeric foam;
and
joining the first and second layers together.
2. (Withdrawn.) The method of claim 1 wherein the step of forming the first layer comprises the step of:
forming the first layer with an air permeability greater than zero.
3. (Withdrawn.) The method of claim 1 further comprising the step of coordinating:
coordinating the air permeability of the first layer and the second layer to optimize sound absorption.
4. (Withdrawn.) The method of claim 3 wherein the coordinating step of further comprises:
optimizing desired frequency sound absorption.
5. (Withdrawn.) The method of claim 1 further comprising the step of:
applying a chemical low surface tension agent to one surface of the first layer.
6. The method of claim 1 wherein the step of forming the first layer comprises the step of:
forming the first layer as a controlled permeability non-woven scrim.
7. (Withdrawn.) The method of claim 1 wherein the step of forming the second layer further comprises the step of:
forming the second layer of polyester lofted non woven fiber pad.
8. (Withdrawn.) The method of claim 1 wherein the step of forming the second layer of a lofted fiber pad comprises the step of:
forming the lofted fiber pad of one of a polymer and natural fiber.

Application Serial No. 10/738,930

Date October 31, 2005

Reply to Office Action dated June 29, 2005

Page 3 of 10

9. (Withdrawn.) The method of claim 5 wherein the step of applying the chemical low surface tension agent comprises the step of:

forming the chemical low surface tension agent as one of fluorocarbons, fluorosilicones and silicones.

10. (Withdrawn.) The method of claim 6 further comprising the step of:

forming the first layer as a controlled permeability non-woven scrim comprises the step of:

forming the first layer of at least one layer of one of meltblown and spunbonded polymeric fibers.

11. (Withdrawn.) The method of claim 6 wherein the step of forming the first layer comprises the step of:

forming the first layer of a polymeric apertured film.

12. (Withdrawn.) The method of claim 6 wherein the step of forming the first layer as a control permeability non-woven scrim comprises the step of:

forming the scrim of a spunbond, meltblown, spunbond tri-laminate.

13. (Currently Amended.) A watershield mountable on a vehicle door, the watershield comprising:

means for forming a first layer of a hydrophobic, air restrictive but breathable face scrim;

means for forming a second layer of one of a ~~lefted fiber pad~~ and an open-cell polymeric foam; and

means for joining the first and second layers together.

14. (Currently Amended.) A vehicle door watershield mountable on a vehicle door, the vehicle door including an inwardly facing trim member and an outwardly facing panel member, the door shield comprising:

a laminate ~~formed consisting of~~ a first layer ~~jointed~~ joined to a second layer;

wherein the first layer is oriented in the direction of the outer panel of the vehicle door and is formed of an a controlled permeability non-woven scrim; and

Application Serial No. 10/738,930

Page 4 of 10

Date October 31, 2005

Reply to Office Action dated June 29, 2005

wherein the second layer is oriented in the direction of the inwardly facing member and is formed of one of a lofted fiber pad and an open-cell polymeric foam.

15. (Currently Amended.) The vehicle door watershield of claim 14 wherein the non-woven scrim comprises:

at least one layer of ~~one of a meltblown polymeric fiber and at least one layered~~ spunbonded polymeric fibers

16. (Original.) The vehicle door watershield of claim 14 wherein the scrim comprises:
a polymeric apertured film.

17. (Currently Amended.) The vehicle door watershield of claim 14 wherein the lofted fiber pad of the second layer comprises ~~[-]~~ one of polymeric and natural fibers.

18. (Currently Amended.) The vehicle water door shield of claim 14 ~~further comprising:~~ wherein the first layer having has an air permeability greater than zero.

19. (Currently Amended.) The vehicle water door shield of claim 14 ~~further comprising:~~ wherein the second layer has an air permeability and wherein the air permeability of the first layer is coordinated with the air permeability of the second layer to optimize sound absorption frequencies.

20. (Currently Amended.) The vehicle door watershield of claim 14 ~~further comprising:~~ wherein the layer comprises a chemical low surface tension coating agent applied to the first layer.

21. (Original.) The vehicle door watershield of claim 20 wherein the chemical low surface tension agent comprises:

at least one of a fluorocarbon, fluorosilicone and silicone.

22. (Original.) The vehicle door watershield of claim 14 wherein:
the first layer is formed as a spunbond-meltblown-spunbond tri-laminate.

23. (New.) A vehicle door assembly comprising:
an outwardly oriented panel;
an inwardly oriented panel;
an interior trim panel overlaying the inwardly oriented panel; and
a vehicle door shield positioned between the inwardly oriented panel and the interior trim panel, the vehicle door shield comprising an inwardly oriented layer composed of a lofted fiber

Application Serial No. 10/738,930

Date October 31, 2005

Reply to Office Action dated June 29, 2005

Page 5 of 10

pad and an outwardly oriented layer formed of a non-woven scrim, wherein the vehicle door shield has an inwardly oriented surface formed from the lofted fiber pad.